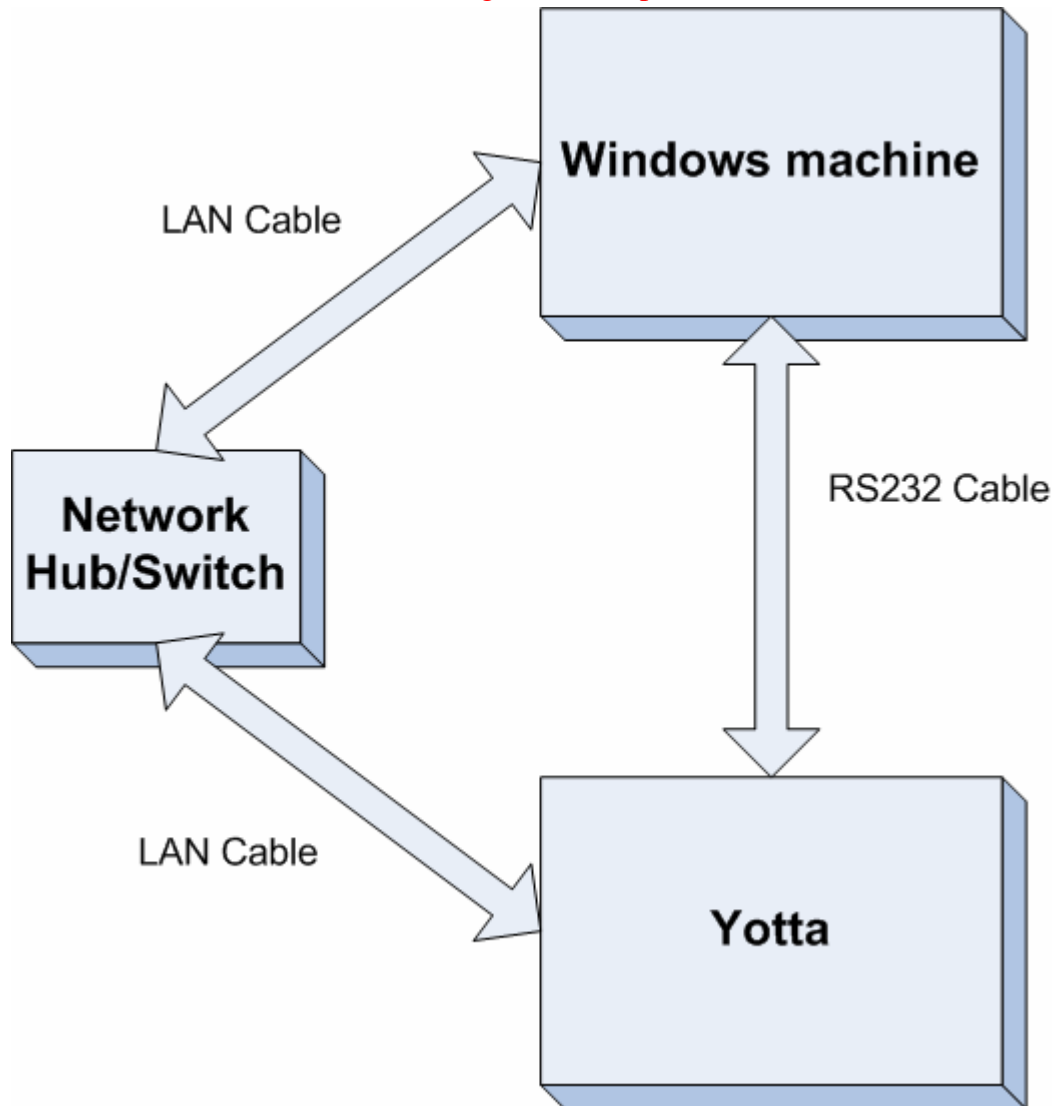


Before you start upgrading Boot Rom/Firmware please make sure your Yotta and Windows machine have the following relationship.



First run the Tftpd program which can be obtain from the following URL.

<http://tftpd32.jounin.net>

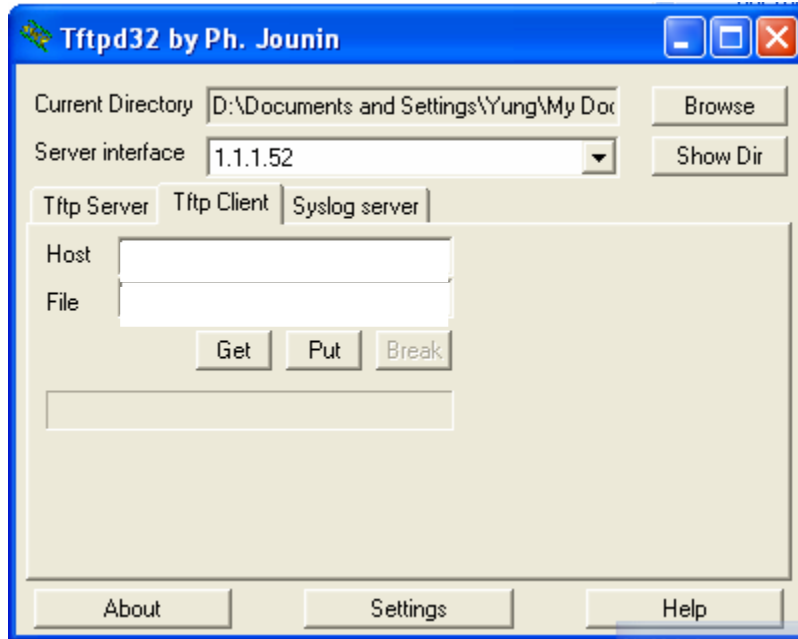
Once the file is downloaded, double click to run it.

Click on Browse to the directory where the firmware is located.

Server Interface – IP address of the machine that is running Tftpd32.

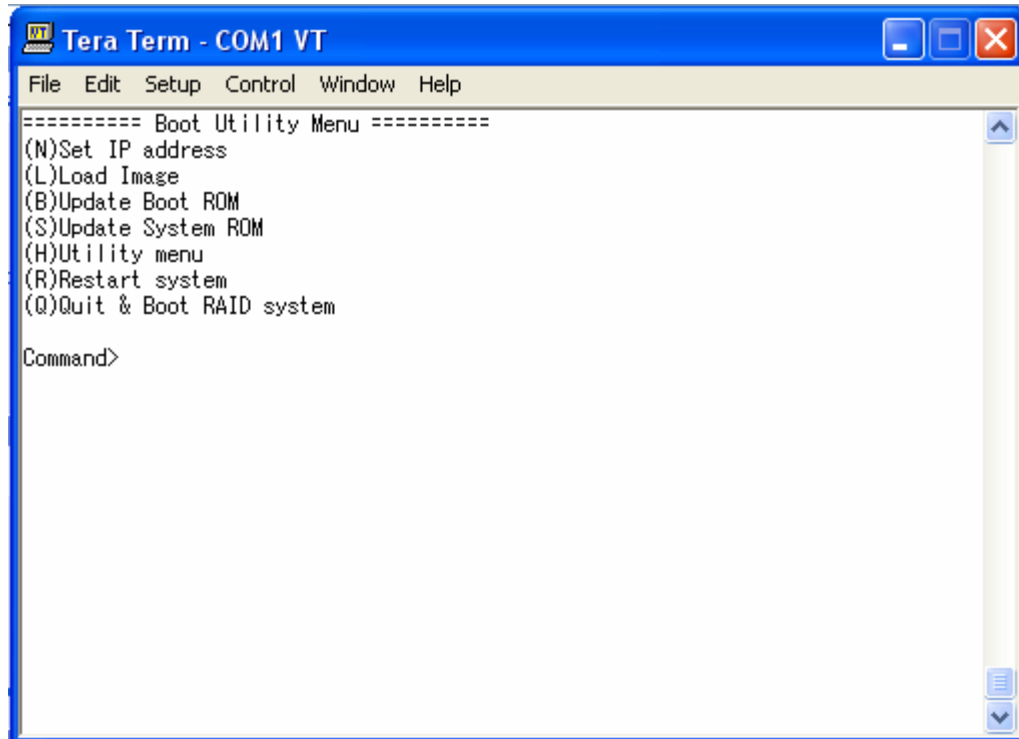
Host – Can be left empty

File – Can be left empty



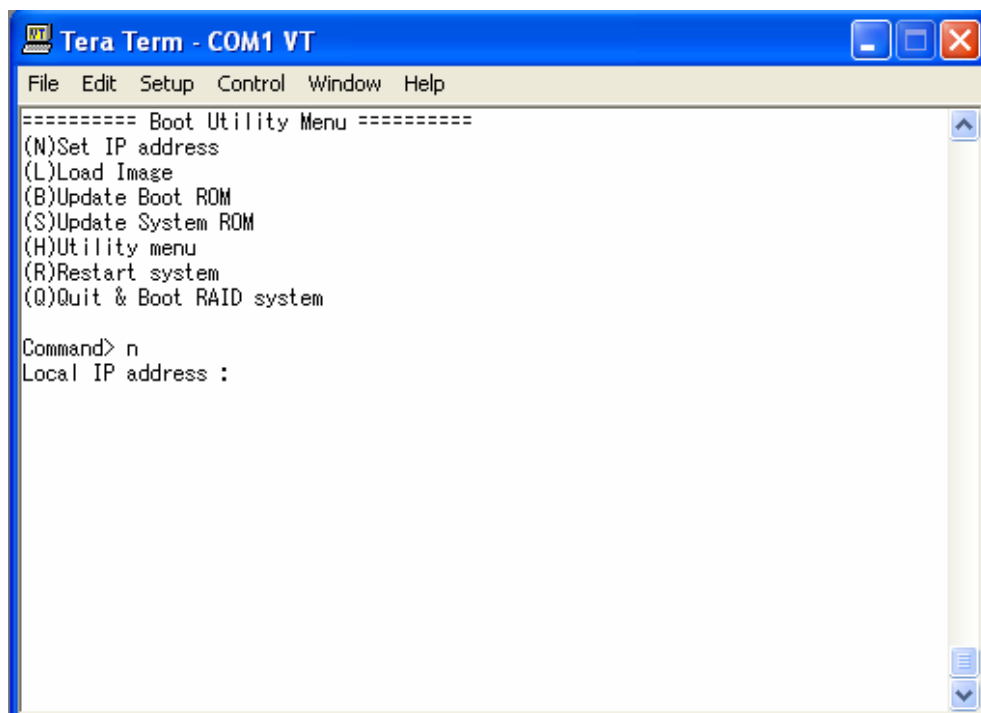
Your Tftpd must be executed before you precede the following steps.

Connect to Yotta with HyperTerminal and Hold down Ctrl+B while Yotta is booting up. If successful you will see the following screen.



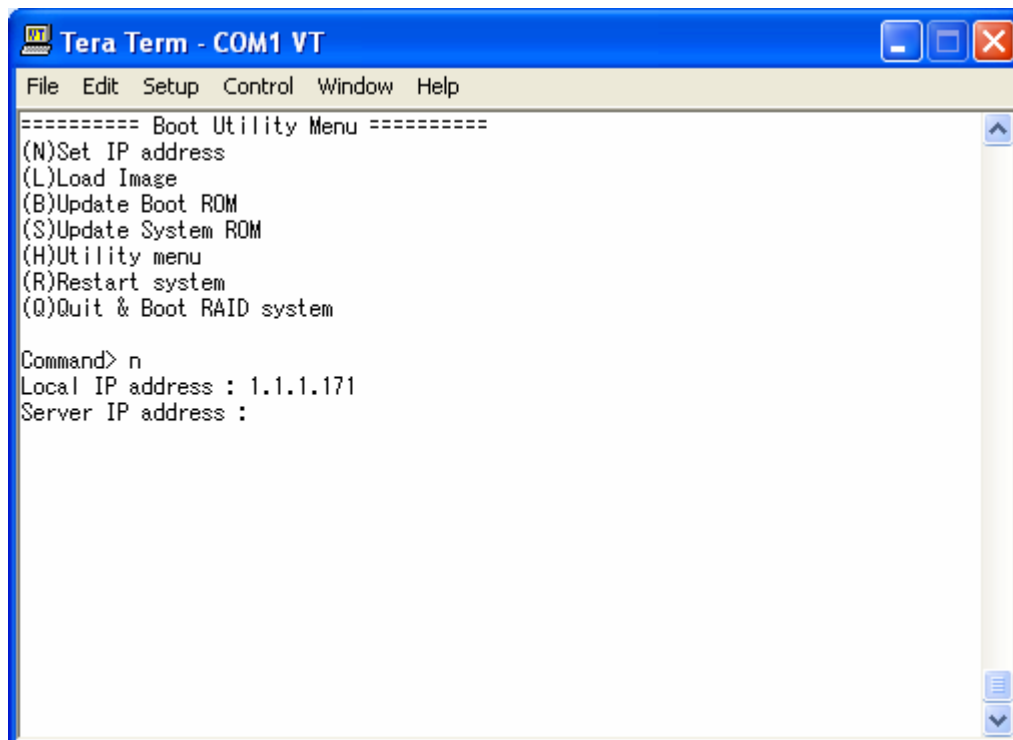
```
Tera Term - COM1 VT
File Edit Setup Control Window Help
===== Boot Utility Menu =====
(N)Set IP address
(L)Load Image
(B)Update Boot ROM
(S)Update System ROM
(H)Utility menu
(R)Restart system
(Q)Quit & Boot RAID system
Command>
```

First assign an IP to Yotta. IP must be set every time during update firmware.
Press (N) to setup IP address.



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
===== Boot Utility Menu =====
(N)Set IP address
(L)Load Image
(B)Update Boot ROM
(S)Update System ROM
(H)Utility menu
(R)Restart system
(Q)Quit & Boot RAID system
Command> n
Local IP address :
```

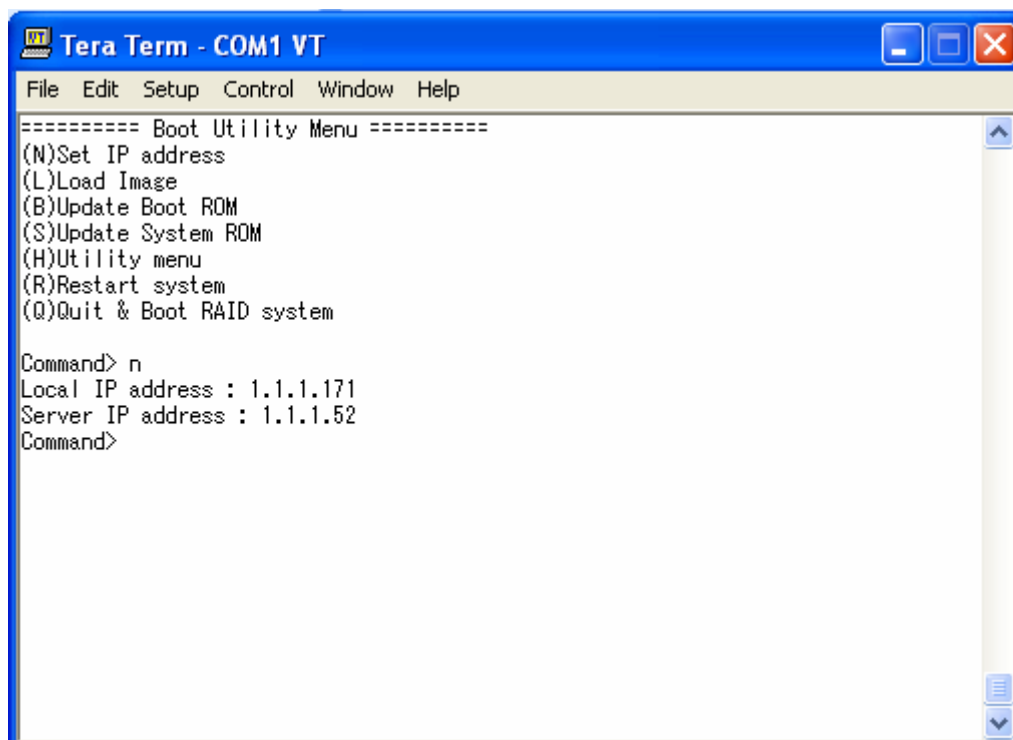
Local IP address – IP address of Yotta



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
===== Boot Utility Menu =====
(N)Set IP address
(L)Load Image
(B)Update Boot ROM
(S)Update System ROM
(H)Utility menu
(R)Restart system
(Q)Quit & Boot RAID system

Command> n
Local IP address : 1.1.1.171
Server IP address :
```

Server IP address – IP address of the machine contain the firmware to be uploaded to Yotta.



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
===== Boot Utility Menu =====
(N)Set IP address
(L)Load Image
(B)Update Boot ROM
(S)Update System ROM
(H)Utility menu
(R)Restart system
(Q)Quit & Boot RAID system

Command> n
Local IP address : 1.1.1.171
Server IP address : 1.1.1.52
Command>
```

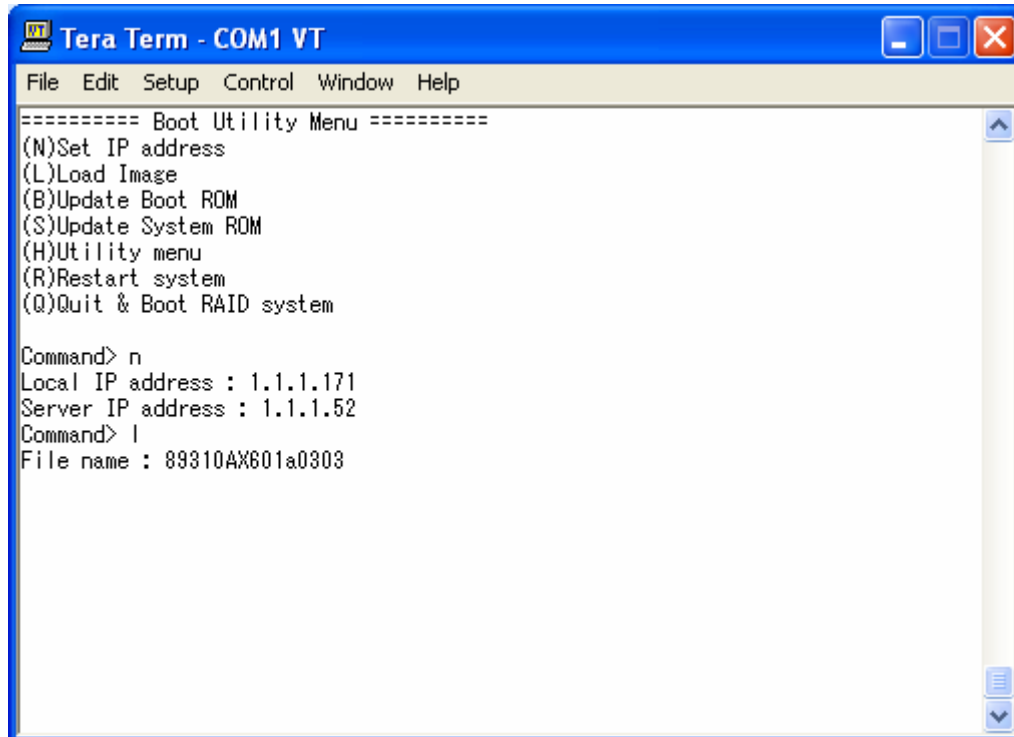
In this case our Yotta is assigned with IP 1.1.1.171

Our host IP is 1.1.1.52

Once the IP address of both host and Yotta is set, now you are ready to load Image.

Press (L) to upload image.

(If you are updating Boot ROM the procedure is the same. For Boot ROM you would need to key in the Boot ROM file name).

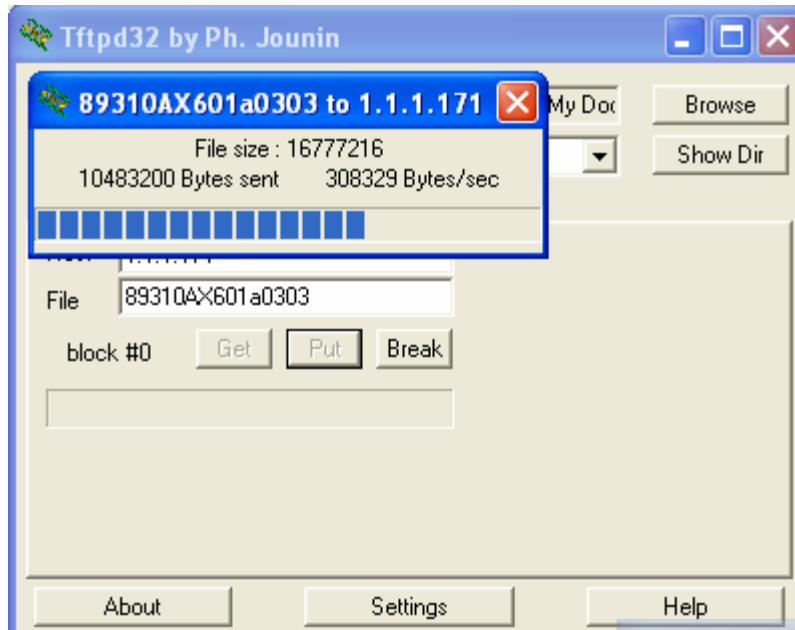


```
Tera Term - COM1 VT
File Edit Setup Control Window Help
===== Boot Utility Menu =====
(N)Set IP address
(L)Load Image
(B)Update Boot ROM
(S)Update System ROM
(H)Utility menu
(R)Restart system
(Q)Quit & Boot RAID system

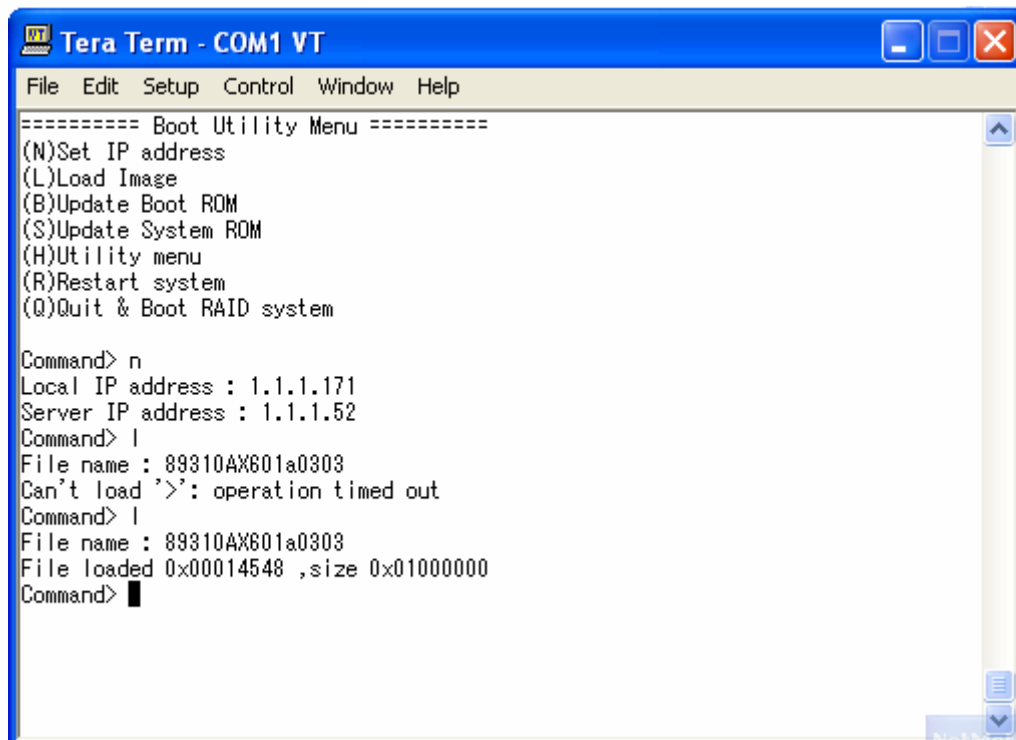
Command> n
Local IP address : 1.1.1.171
Server IP address : 1.1.1.52
Command> l
File name : 89310AX601a0303
```

Once the file name is key-in, then press enter.

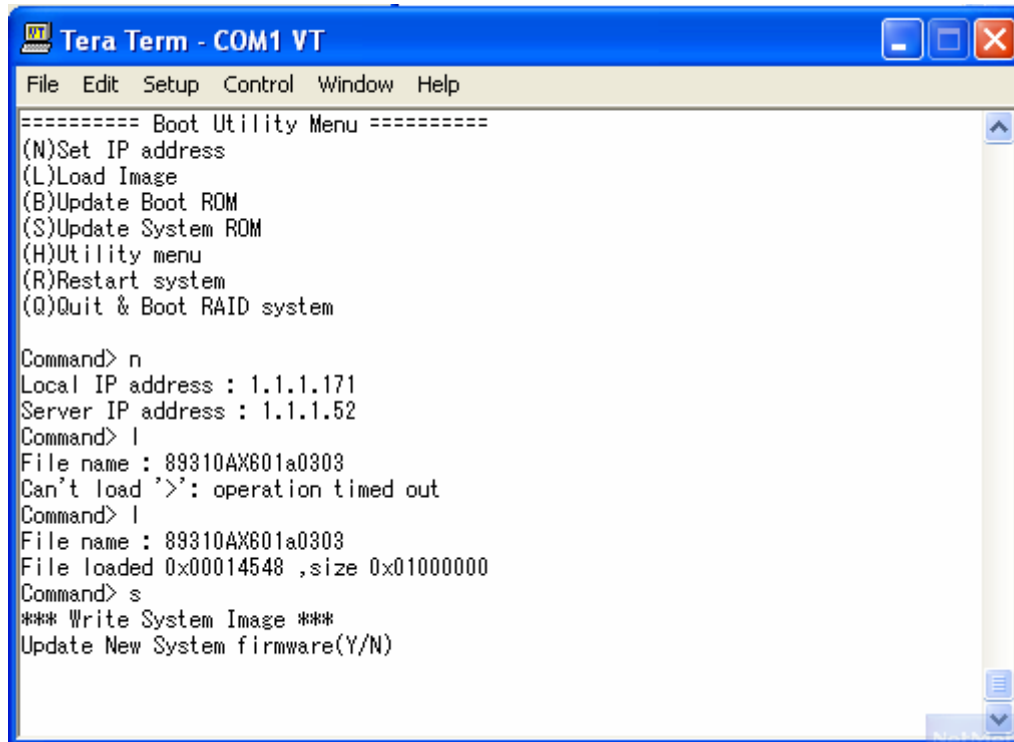
If successfully you will see the following screen on Tftpd.



Once, the the file is finished loading on the HyperTerminal you will see the following:

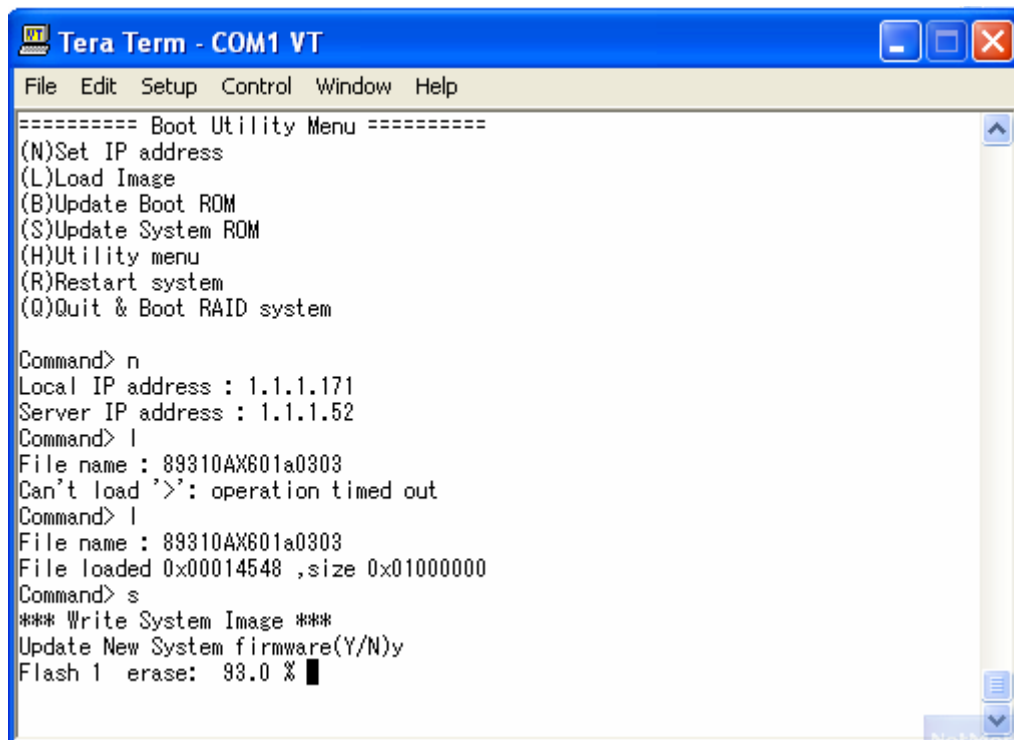


Now you are ready to update System. Press (S) to update firmware
Press (B) to update Boot ROM



```
=====  
Boot Utility Menu =====  
(N)Set IP address  
(L)Load Image  
(B)Update Boot ROM  
(S)Update System ROM  
(H)Utility menu  
(R)Restart system  
(Q)Quit & Boot RAID system  
  
Command> n  
Local IP address : 1.1.1.171  
Server IP address : 1.1.1.52  
Command> l  
File name : 89310AX601a0303  
Can't load '>': operation timed out  
Command> l  
File name : 89310AX601a0303  
File loaded 0x00014548 ,size 0x01000000  
Command> s  
*** Write System Image ***  
Update New System firmware(Y/N)
```

You will be asked to press **(Y)** to agree to update firmware or Boot ROM.



```
=====  
Boot Utility Menu =====  
(N)Set IP address  
(L)Load Image  
(B)Update Boot ROM  
(S)Update System ROM  
(H)Utility menu  
(R)Restart system  
(Q)Quit & Boot RAID system  
  
Command> n  
Local IP address : 1.1.1.171  
Server IP address : 1.1.1.52  
Command> l  
File name : 89310AX601a0303  
Can't load '>': operation timed out  
Command> l  
File name : 89310AX601a0303  
File loaded 0x00014548 ,size 0x01000000  
Command> s  
*** Write System Image ***  
Update New System firmware(Y/N)y  
Flash 1 erase: 93.0 % █
```

Now the firmware is upgrading. Once firmware or Boot ROM is done upgrading on Yotta press **(R)** to restart system.